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Substitute for form 1449A/PTO

# **INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet 1 of 3

## **Complete if Known**

Application Number	10/825,860
Filing Date	04/16/2004
First Named Inventor	Michael S. Banik
Group Art Unit	3736
Examiner Name	Lacyk, John P.
Attorney Docket Number	01-468US2

Examiner Initials*	Cite No. 1	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM- DD-YYYY
		Number	Class/Subclass		
<i>sk</i>	1	4222377	128/1R	Burton	09-16-1980
	2	4571749	623/14	Fischell	02-25-1986
	3	4587954	128/1R	Haber	05-13-1986
	4	4878889	600/31	Polyak	11-07-1989
	5	5100933	523/300	Tanaka et al.	03-31-1992
	6	5250167	204/209	Adolf et al.	10-05-1993
	7	5389222	204/299	Shahinpoor	02-14-1995
	8	5556700	428/332	Kaneto et al.	09-17-1996
	9	5562598	600/29	Whalen et al.	10-08-1996
	10	5603337	128/898	Jarvik	02-18-1997
	11	5631040	427/100	Takuchi et al.	05-20-1997
	12	5702343	600/37	Aferness	12-30-1997
	13	5738626	600/16	Jarvik	04-14-1998
	14	5800528	623/3	Lederman et al.	09-01-1998
	15	5855565	604/104	Bar-Cohen et al.	01-05-1999
	16	5888188	600/30	Srougi et al.	03-30-1999
	17	5893826	600/31	Salama	04-13-1999
	18	6022312	600/29	Chaussy et al.	02-08-2000
	19	6095968	600/16	Snyders	08-01-2000
	20	6190408	623.3.1	Melvin	02-20-2001
<i>sk</i>	21	6239906	600/37	Vanden Hock et al.	09-25-2001
	22	6302917	623/23.68	Dua et al.	10-16-2001

Examiner Initials*	Cite No. 1	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	T
		Office*	Number	Class/Subclass			
<i>sk</i>	1	WO	01/58973	C08G	Pelrine, Ronald E. et al.	08-16-2001	
<i>sk</i>	2	WO	97/26039	A61M 25/09	University of New Mexico	07-24-1997	

Examiner  
SignatureDate  
Considered

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<sup>12</sup>Unique citation designation number. <sup>2</sup>Applicant is to place a check mark here if English language Translation is attached.

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			Group Art Unit	3736	
			Examiner Name	Lacyk, John P.	
Sheet	2	of	3	Attorney Docket Number	01-468US2

OTHER PRIOR ART—NON-PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
<i>ad</i>	1	BROCK, DAVID L. "Review of Artificial Muscle Based on Contractile Polymers". Massachusetts Institute of Technology Artificial Intelligence Laboratory. A.I. Memo No. 1330, November 1991. 11. 1-12.	
	2	"Important Information for Patients Considering an Action Neosphincter", <a href="http://www.fda.gov/ohrms/dockets/ac/01/briefing/3777b1_02_patient_info.pdf">http://www.fda.gov/ohrms/dockets/ac/01/briefing/3777b1_02_patient_info.pdf</a> .	
	3	BAR-COHEN, YOSEPH, Ed. "Electroactive Polymer (EAP) Actuators as Artificial Muscles: Reality, Potential and Challenges, SPIE Press, 2001, Chapter 1, pp. 3-44.	
	4	BAR-COHEN YOSEPH, Ed. "Electroactive Polymer (EAP) Actuators as Artificial Muscles: Reality, Potential and Challenges, SPIE Press, 2001, Chapter 7, pp. 193-221.	
	5	BAR-COHEN, YOSEPH Ed. "Electroactive Polymer (EAP) Actuators as Artificial Muscles: Reality, Potential and Challenges, SPIE Press, 2001, Chapter 16, pp. 457-495.	
	6	BAR-COHEN, YOSEPH, Ed. "Electroactive Polymer (EAP) Actuators as Artificial Muscles: Reality, Potential and Challenges, SPIE Press, 2001, Chapter 21, pp. 615-659.	
	7	BAR-COHEN, YOSEPH, Ed. WorldWide ElectroActive Polymers (Artificial Muscles) Newsletter, Vol. 3. No. 1. June 2001. pp. 1-14.	
	8	SHAHINPOOR, MOSHEN ET AL. "Design, Development and Testing of a Multi-Fingered Heart Compression/ Assist Device Equipped with IPMC Artificial Muscles". Smart Structures and Materials 2001: Electroactive Polymer Actuators and Devices. Yoseph Bar-Cohen, SPIE Proces. Vol. 4329. 2001. pp. 411-420.	
	9	JAGER, EDWIN W.H. ET AL. "Microfabricating Conjugated polymer actuators". Smart Structures and Materials 2001: Electroactive Polymer Actuators and Devices, Proceedings of the SPIE. Vol. 4329. pp. 335-349.	
	10	PELRINE, RON ET AL. "Applications of Dielectric Elastomer Actuators". Smart Structures and Materials 2001: Electroactive Polymer Actuators and Devices, Proceedings of the SPIE. Vol 4329. pp. 335-349.	
<i>ad</i>	11	MADDEN, JOHN D.W. "Polypyrrole actuators: modeling a performance". Smart Structures and Materials: Electroactive Polymer Actuators and Devices, Proceedings of the SPIE. Vol. 4329. pp. 72-83. 2001	

Examiner Signature	<i>[Signature]</i>	Date Considered	7/1/05
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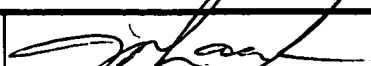
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Sheet	3	of	3	Attorney Docket Number	01-468US2

	12 BAR-COHEN, YOSEPH. "Transition of EAP material from novelty to proactical application-are we there yet". Smart Strucutres and Material. 2001. Electroactive Polymer Actuators and Devices proceedings of the APIE. Col 4329. pp. 1-6.
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Examiner Signature		Date Considered	3/11/05
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